Hawaiian Island-Emperor Seamount Worksheet

Visiting the Moon – Without Leaving Idaho

Name	
Date	
	(HIES) Map to estimate each island's distance from ed. Use the Hawaiian Island-Emperor Seamount bints
	ph as a years vs. distance point. Note that there is a the Hawaiian Islands. Draw two separate best fit lines e Emperor Seamounts.
Calculate the slope for each of the best-fit I Change the distance to inches instead of m Change the time to years instead of million	niles.
	Emperor Seamount slope =
3. What do each of these slopes represent in	this situation?
4. What direction is the plate moving generally	/ now?
5. Since Mauna Kea last erupted, how far in ir	nches has the Pacific plate moved?
	in feet?
6. How far in inches will the plate move in the	next 100 years?
	in feet?
7. What two things changed at the elbow?	

Hawaiian Island - Emperor Seamount Map



